Fig 1 – Basic system proposed
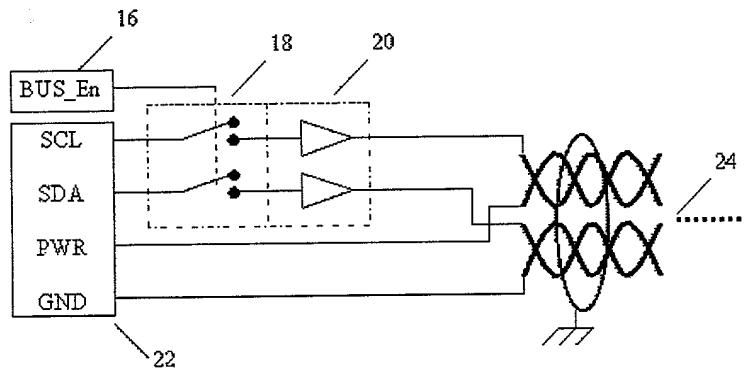
Fig 2 – Bus connection to MASTER side
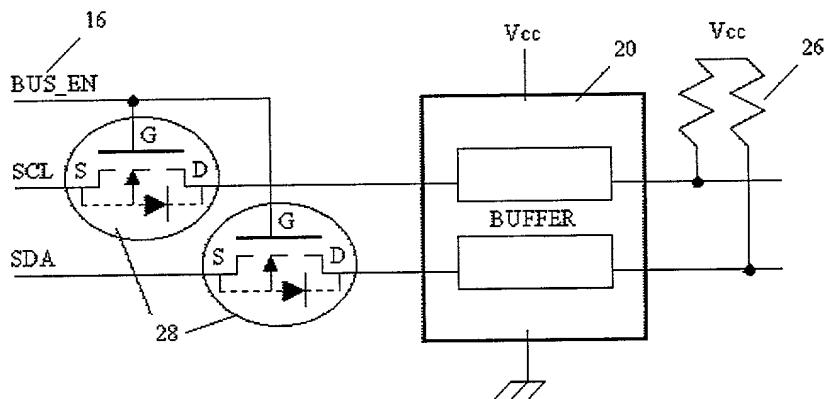
Fig 3 – HI-Z Switch and Buffer, MASTER side
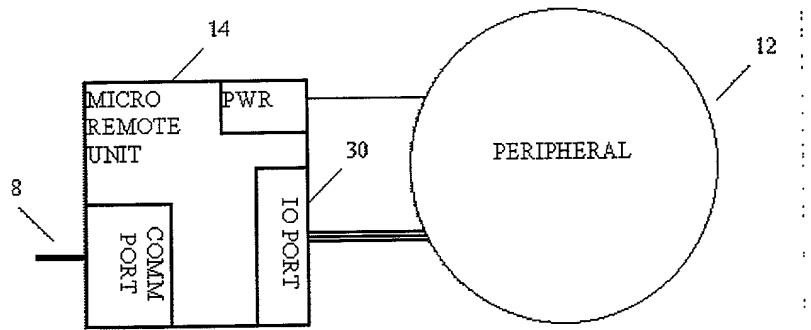
Fig 4-a – Micro Remote Unit connected to a peripheral

14

MICRO
REMOTE
UNIT

12Vdc
GND

32

SENE

8

PWR

GND

SDA

SCL

IMPUT1
IMPUT2
IMPUT3
RELE

COM
NC
NO

OUT PWR TAMP
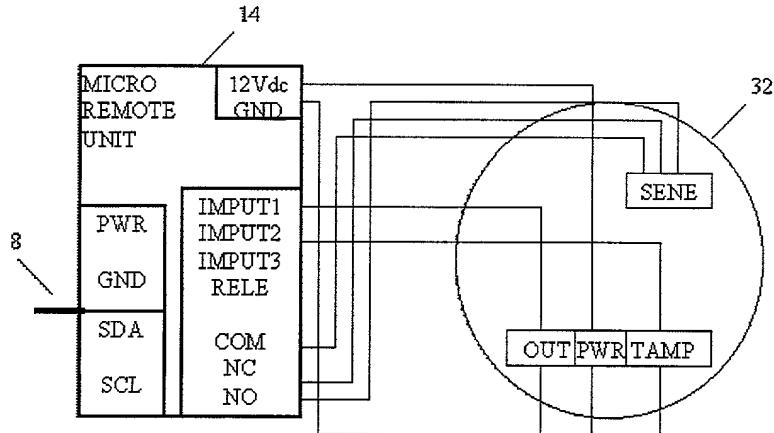
Fig 4-b – Micro Remote Unit connected to an IR Sensor
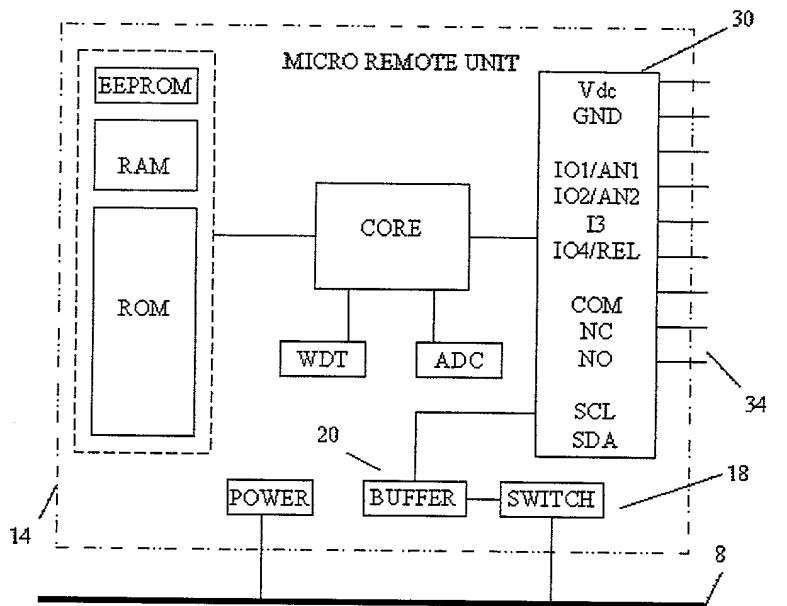
Fig 5 – Preferred Embodiment of the Micro Remote Unit

BYTE1=ADDRESS

BIT=ACK

BYTE2=COMMAND

BIT=ACK

BYTE3=DATA

2

MASTER

SWITCH

BUFFER

6

8

14

MICRO
REMOTE
UNIT
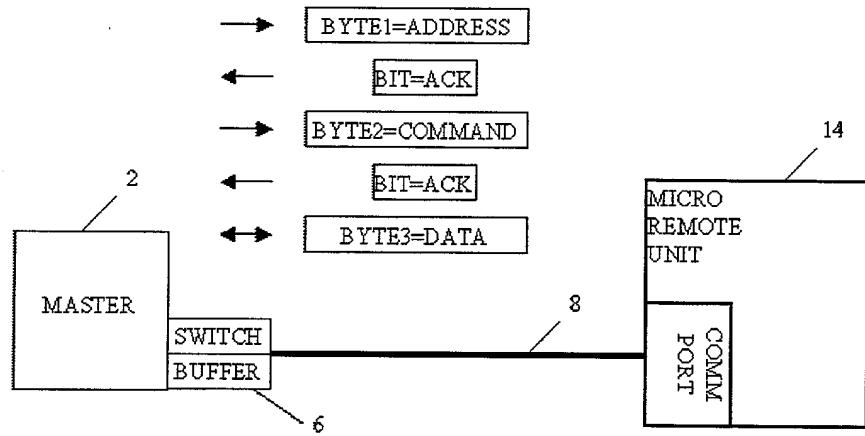
COMM
PORT

Fig 6 – Communication flow
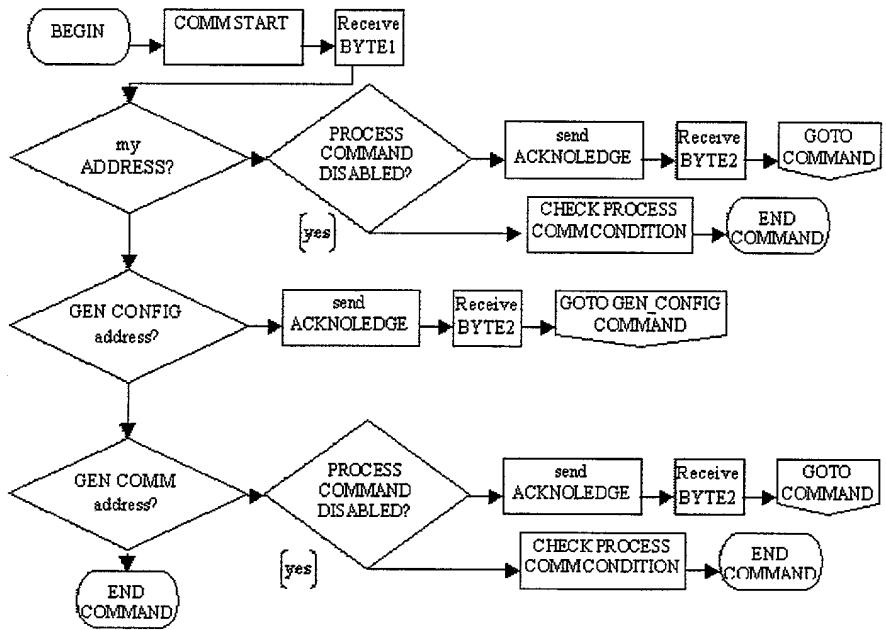
Fig 7 – Address and command decoding